

## Abstract

A safety system including an electronic key (4) that has a transmitter (6), and a protected object having a radio base station (8) which has a receiver (10). The transmitter (6) and the receiver (10) are designed to communicate in order to exchange authentication data. The radio base station (8) regularly monitors the natural high frequency (HF) signal level received on the part of the receiver (10) and detects interferences in the natural HF signal level, so as to make possible the detection of a relay station (16).